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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Office of the Secretary Of Defense	Date: February 2018
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
0400: Research, Development, Test & Evaluation, Defense-Wide / BA 4: Advanced Component Development & Prototypes (ACD&P)	PE 0604775D8Z / Defense Rapid Innovation Program											
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	1,067.918	250.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
775: Defense Rapid Innovation Program	1,067.918	250.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

The National Defense Authorization Act (NDAA) for FY2017 and the Consolidated Appropriations Act, 2017, provide the Department of Defense with authorities and funds to facilitate the rapid insertion of innovative technologies into military systems and programs. Established in Section 1073 of the FY 2011 National Defense Authorization Act (NDAA), the Rapid Innovation Program is a competitive, merit-based program designed to accelerate the fielding of innovative technologies into military systems pursuant to Small Business Innovative Research (SBIR) phase II projects, Technologies developed by the Department of Defense (DoD) laboratories and Other innovative technologies, including dual-use & Independent Research & Development (IRAD) technologies. The NDAA for FY2017 and the Consolidated Appropriations Act, 2017, makes RIP a permanent program.

B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	250.000	0.000	0.000	-	0.000
Total Adjustments	250.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	0.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	250.000	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 775: Defense Rapid Innovation Program

Congressional Add: Defense Rapid Innovation Fund

	FY 2017	FY 2018
	250.000	-
Congressional Add Subtotals for Project: 775	250.000	-
Congressional Add Totals for all Projects	250.000	-

UNCLASSIFIED

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Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604775D8Z / Defense Rapid Innovation Program
<u>Change Summary Explanation</u> Congressional Add		

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense										Date: February 2018		
Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0604775D8Z / Defense Rapid Innovation Program				Project (Number/Name) 775 / Defense Rapid Innovation Program			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
775: Defense Rapid Innovation Program	1,067.918	250.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The National Defense Authorization Act (NDAA) for FY2017 and the Consolidated Appropriations Act, 2017, provide the Department of Defense with authorities and funds to facilitate the rapid insertion of innovative technologies into military systems and programs. The purpose of the DoD-wide Rapid Innovation Fund (RIF) program is to perform a solicitation, evaluation and award of contracts that support the aforementioned Congressional authorities and support the DoD goals of emphasis on rapid, responsive acquisition and engagement of small, innovative businesses in solving defense challenges.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2017	FY 2018
Congressional Add: Defense Rapid Innovation Fund	250.000	-
FY 2017 Accomplishments: FY 2017 Accomplishments: Funds will be used for research and development in the key areas defined by the Army, Navy, Air Force and various Agencies/Programs within the Office of the Secretary of Defense. Investments are targeted to defense requirements within the budget year of execution. The defense wide focus areas for the FY2017 Rapid Innovation Fund Program include: 1) Deliver near term, emerging technologies to enhance the capabilities for current military operations, e.g., for soldier force protection, for anti-access / area denial operations, or for other near-term solutions that improves ongoing support to the forces; 2) Innovative technologies that enhance the affordability of defense operations, e.g., reduce the cost and footprint of fielded weapon systems, extend system life of aging platforms, or improve interoperability for portable, modular scalable and secure systems; and 3) Develop and demonstrate breakthrough technologies for future military capabilities, e.g., assured communications in space and man-made environments, improved position, navigation, sensors and sensor processing in GPS-denied environments, or for countering unmanned air or underwater systems. FY 2017 funds will be distributed using a merit-based competitive process that considers the highest priority funding candidates across the military services (Army, Navy, Air Force), the 4th estate agencies, and key Combatant Commands. Preferences will be given to funding small business proposals through a competitive broad agency announcement process.		
Congressional Adds Subtotals	250.000	-

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Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) 775 / <i>Defense Rapid Innovation Program</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy N/A		
E. Performance Metrics Each RIF project is evaluated at its conclusion based on two measures: 1) technical performance, or extent the RIF project is meeting its technical goals, with an assessment of cost, schedule, and deliverables against stated objectives; and 2) transition status, or the extent to which an acquisition program or customer has been identified and is participating in procuring the technology, assuming the RIF project is successful.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Office of the Secretary Of Defense		Date: February 2018
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) 775 / <i>Defense Rapid Innovation Program</i>
Remarks <p>The defense wide focus areas for the FY2017 Rapid Innovation Fund Program include: 1) Deliver near-term, emerging technologies to enhance the capabilities for current military operations; 2) Innovative technologies that enhance position, navigation, timing accuracies, improve targeting/delivery in GPS-denied environments and prevent exploitation of systems lost in denied areas (e.g., anti-tamper capabilities); 3) Develop and demonstrate breakthrough technologies for future military capabilities. FY2017 funds will be distributed evenly between the Services (Army, Navy, Air Force) and the fourth estate agencies. Established in Section 1073 of the FY 2011 National Defense Authorization Act (NDAA), the Rapid Innovation Program is a competitive, merit-based program designed to accelerate the fielding of innovative technologies into military systems pursuant to Small Business Innovative Research (SBIR) phase II projects, Technologies developed by the Department of Defense (DoD) laboratories and Other innovative technologies, including dual-use & Independent Research & Development (IRAD) technologies. The NDAA for FY2017 makes permanent authority for the Defense Research and Development Rapid Innovation Program. There is a two-step competitive process for participation in the program. Industry is invited to submit white papers that meet the congressional and DoD criteria. Once those white papers have been reviewed the highest ranking white papers are selected and invited to submit full proposals for consideration (there is no guarantee of an award). Those full proposal go through a review and again the highest ranking full proposals are selected for negotiation and ultimately award.</p>		

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Office of the Secretary Of Defense		Date: February 2018
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UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Office of the Secretary Of Defense		Date: January 2018
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) P775 / <i>Defense Rapid Innovation Program</i>

Rapid Innovation Fund (RIF) Program FY17 RIF Funding Execution Milestones

Milestone	Date
OSD / 4 th Estate Requirements Submitted	March 2017
BAA Release in Federal Business Opportunities (FBO.GOV)	March 17, 2017
BAA Close / White Papers (WP) Due	May 19, 2017
WP Evaluations Complete by Component Agencies	June 30, 2017
Agencies WP Recommendations	July 3-31, 2017
Advisory Team Ratings & WP Down selects	Aug 11, 2017
Review with DASD (EC&P) & OSBP	Aug 31, 2017
WP Approval Package Staffing & Signature	Sept 8, 2017
Notification to All Offerors	Sept 22, 2017
Full Proposal Submissions	NLT October 20, 2017
Proposal Evaluations	NLT January 3, 2018
Negotiations Complete and Award	NLT May 1, 2018

PE 0604775D8Z: *Defense Rapid Innovation Program*
Office of the Secretary Of Defense

UNCLASSIFIED

Page 1 of 1

R-1 Line #100

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Office of the Secretary Of Defense			Date: February 2018
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) 775 / <i>Defense Rapid Innovation Program</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Army, Navy, Air Force, Fourth Estate</i>				
Army, Navy, Air Force, Fourth Estate	2	2017	4	2017